

ABSTRACT

A paper pickup mechanism located on one side of a feeding paper tray consists of a pickup roller, a plurality of gears and a plurality of linkage bars to form a highly free mechanism that drives the pickup roller rotating in the paper feeding direction and generating a torque to enable the pickup roller exerting a force on the top paper of the paper tray and provide an automatic compensating paper pickup force. By rearranging the structural locations of the elements, fewer gears are required to transmit the driving power, and energy loss and noise generation are reduced.